

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there is qualified data on this page.

Meter ID: KEYS

RQ: 2018-03-12-36

Project: SMP - W.W.

- Notes:** (1) Always wait for meter to stabilize before recording any readings.
 (2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site _____

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 12/28/17

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	M. DUGAN	03/13/18	0707	24.3	8.371	8.37	100	50.2	.95963	P/F	L/F
ICV	"	"	0711	24.4	8.356	8.35	100	50.2		P/F	L/F
CCV	N. REISTAD	03/13/18	1659	24.2	8.387	8.47	101	50.2	0.95963	P/F	L/F
CCV										P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	M. DUGAN	03/13/18	0712	171211C	12/18	1000	1000	P/F	L/F
Calibr.	M. DUGAN	"	0717	170728C	08/18	10,000	10,000	P/F	L/F
Calibr.	"	"	0718	171211C	12/18	1000	1099	P/F	L/F
CCV	N. REISTAD	03/13/18	1503	2706591	05/19	50,000	47,835	P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	M. DUGAN	03/13/18	0722	17657	08/19	7.0	7.0	18.9	P/F	L/F
Calibr.	"	"	0723	177238	10/19	4.0	4.0	155.6	P/F	L/F
Calibr.	"	"	0725	176507	09/19	10.0	10.0	196.7	P/F	L/F
ICV	"	"	0726	177238	10/19	4.0	4.0	153.9	P/F	L/F
CCV	N. REISTAD	03/13/18	1507	176507	09/19	10.0	10.02	197.6	P/F	L/F
CCV									P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ;

mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes No If yes, list date of last quarterly depth verification _____

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value meters	Pass / Fail	Lab / Field
Pressure mode in air						P/F	L/F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS: